

# COMPARING MILEAGE

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

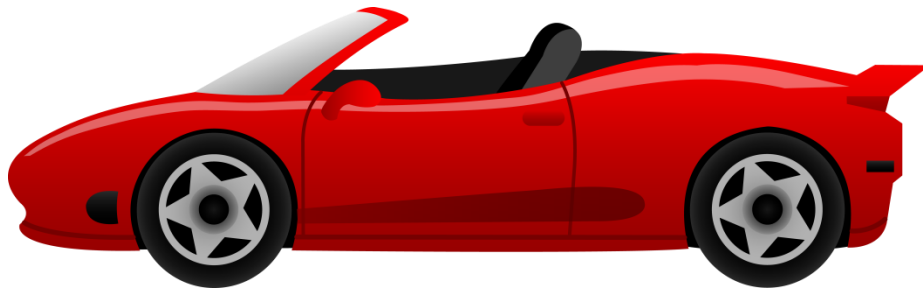
## ROCKET

*Car Lover* magazine is reporting that the new 2014 Rocket is the most fuel-efficient car on the market! Test drives have shown that the Rocket gets up to 26 miles per gallon on the highway.

## CAMBRIA

If you're looking for a new car, the Cambria is the best bang for your buck. The table below shows data for test drives on the highway:

Gallons Used	3	8	10	16
Miles Driven	73.5	196	245	392

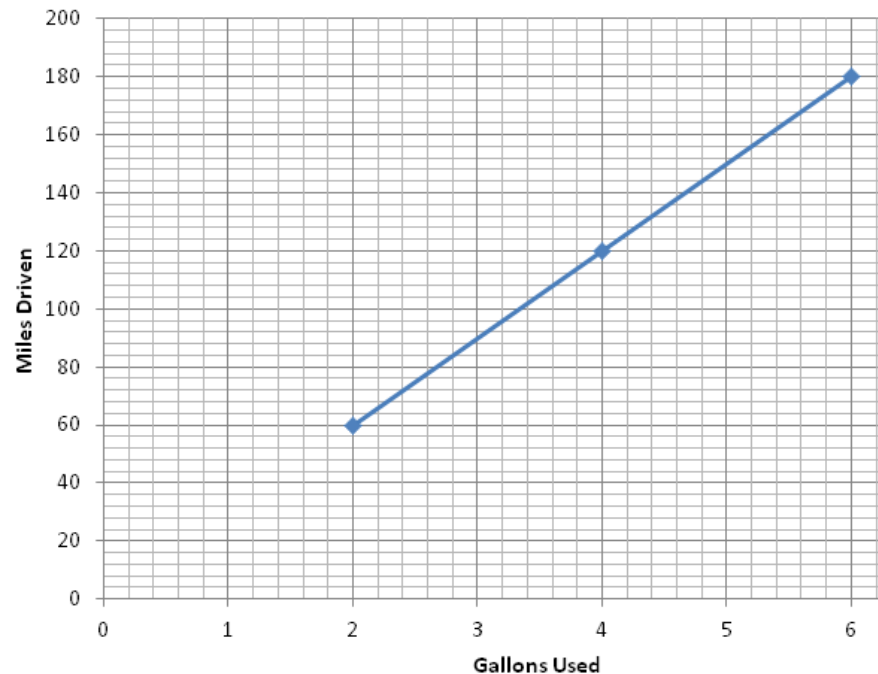


## GLIMMER

The Glimmer is still in testing, but the first reports have told us that drivers were able to drive 484 miles on the eighteen-gallon fuel tank. What a deal!

## AVENGER

The newest model of the Avenger is still in testing, but the following page from a test drive was released recently.



# QUESTIONS: COMPARING MILEAGE

1. Which car gets the best gas mileage? How do you know?
2. Which car gets the lowest gas mileage? How do you know?
3. Rank the cars in order from best gas mileage to worst gas mileage.

## Extension:

You are planning a 450 mile road trip. Gas costs \$3.20 a gallon. If all the cars have an eighteen gallon tank, how much money would you save filling up the most efficient car compared to the least efficient car?

# COMPARING MILEAGE

Name: Key  
Date: \_\_\_\_\_ Period: \_\_\_\_\_

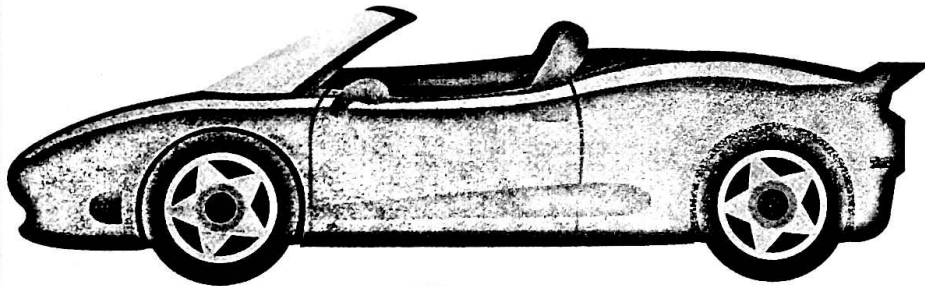
## ROCKET

*Car Lover* magazine is reporting that the new 2014 Rocket is the most fuel-efficient car on the market! Test drives have shown that the Rocket gets up to 26 miles per gallon on the highway.

## CAMBRIA

If you're looking for a new car, the Cambria is the best bang for your buck. The table below shows data for test drives on the highway:

Gallons Used	3	8	10	16
Miles Driven	73.5	196	245	392



$$\frac{49 \text{ mi}}{2 \text{ gal}} = 24.5 \text{ mi/gal}$$

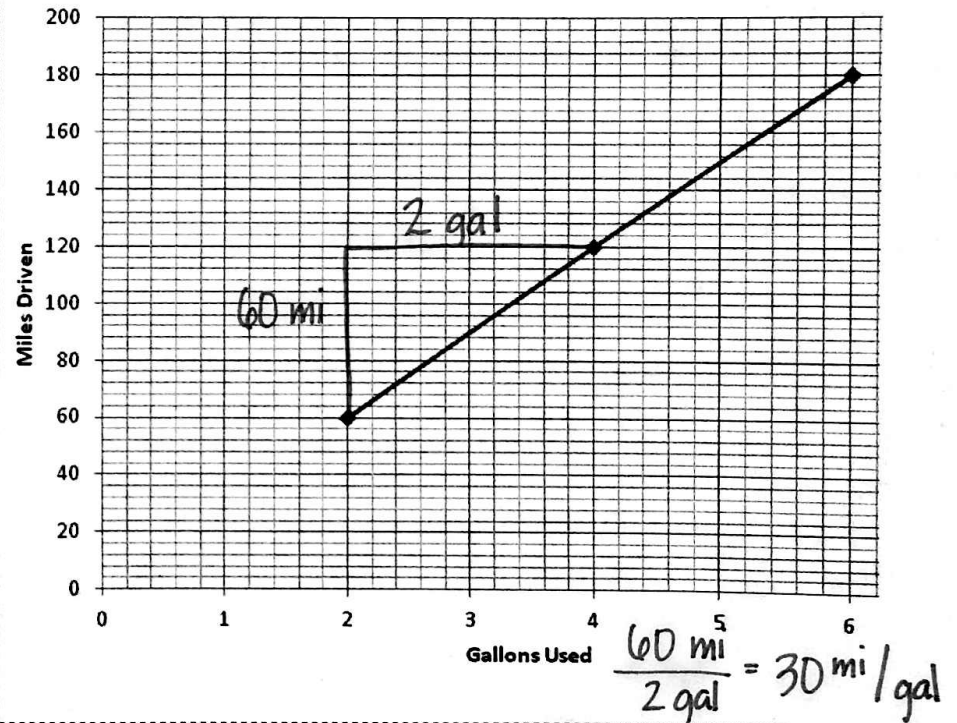
## GLIMMER

The Glimmer is still in testing, but the first reports have told us that drivers were able to drive 484 miles on the eighteen-gallon fuel tank. What a deal!

$$\frac{484 \text{ mi}}{18 \text{ gal}} = 26.8 \text{ mi/gal}$$

## AVENGER

The newest model of the Avenger is still in testing, but the following page from a test drive was released recently.



# Questions: Comparing Mileage

1. Which car gets the best gas mileage? How do you know?

The Avenger; it gets the most miles per gallon. (30 mi/gal)

2. Which car gets the lowest gas mileage? How do you know?

The Cambria; it gets the least miles per gallon. (24.5 mi/gal)

3. Rank the cars in order from best gas mileage to worst gas mileage.

Avenger, Glimmer, Rocket, Cambria

## Extension:

You are planning a 450 mile road trip. Gas costs \$3.20 a gallon. If all the cars have an eighteen gallon tank, how much money would you save filling up the most efficient car compared to the least efficient car?

Avenger

$$\frac{450 \text{ mi}}{26.8 \text{ mi/gal}} = 16.79 \text{ gal}$$

$$16.79 \text{ gal} \times \frac{\$3.20}{\text{gal}} = \$53.73$$

GAS NEEDED



COST



DIFFERENCE

$$\$58.78 - \$53.73 = \boxed{\$5.05 \text{ in savings}}$$

Cambria

$$\frac{450 \text{ mi}}{24.5 \text{ mi/gal}} = 18.37 \text{ gal}$$

$$18.37 \text{ gal} \times \frac{\$3.20}{\text{gal}} = \$58.78$$